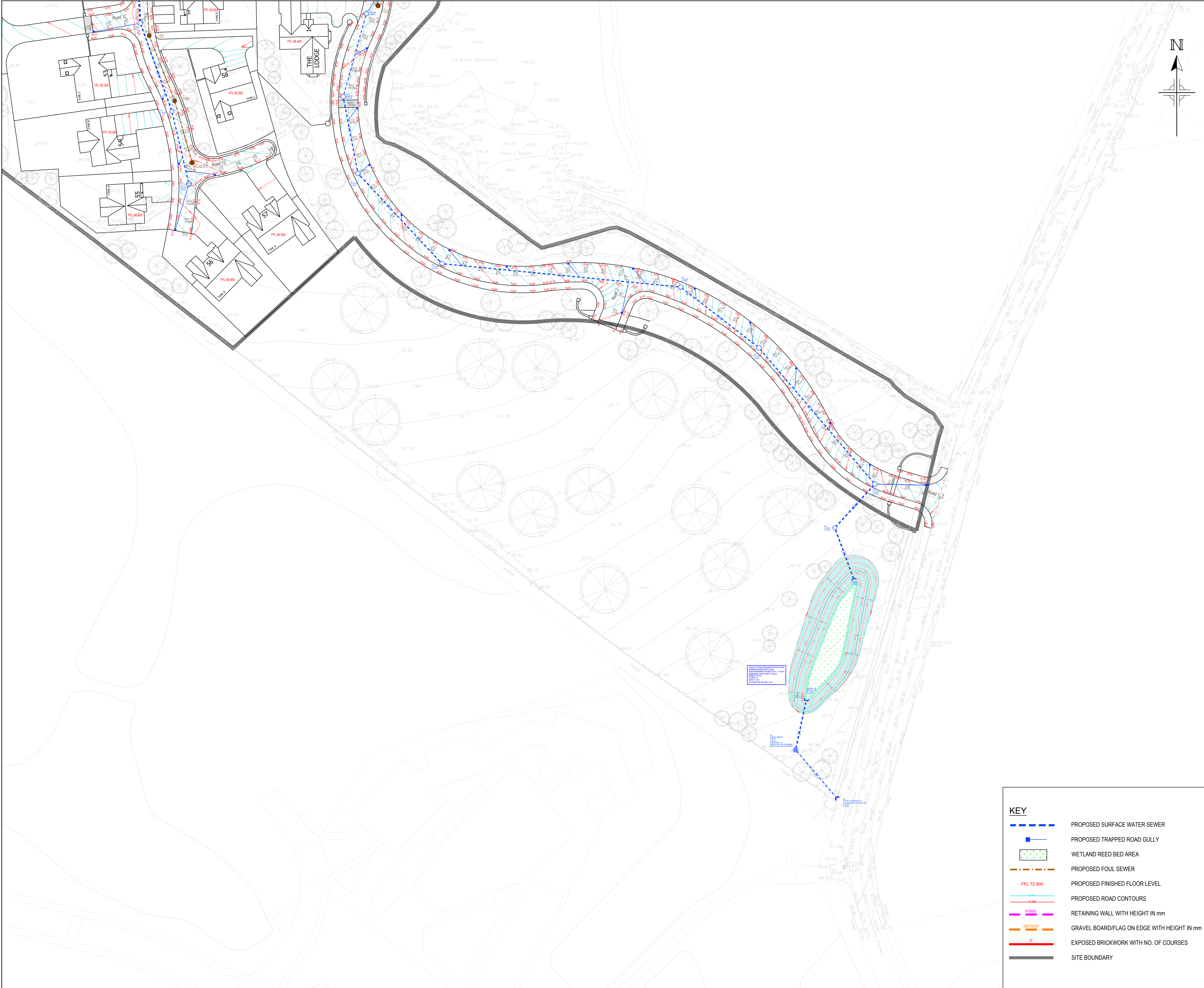




NOTE
THIS PRINT AND ANY DESIGN THEREON IS THE PROPERTY OF BECKWITH & HANLON CONSULTING ENGINEERS LIMITED AND IS TO BE RETURNED ON REQUEST. IT IS TO BE USED ONLY FOR THE PURPOSE FOR WHICH IT WAS EXPRESSLY LOANED AND IS NOT TO BE COPIED IN ANY MANNER, NOR IS INFORMATION TAKEN THEREFROM TO BE TRANSMITTED OR PASSED TO OTHERS.
DO NOT SCALE OFF THIS DRAWING.
DO NOT TAKE DIGITAL DIMENSIONS OFF THIS DRAWING.



SHEET LAYOUT

- GENERAL NOTES
- ANY HIGHWAY WORKS TO BE ADOPTED ARE TO BE UNDERTAKEN IN ACCORDANCE WITH CUMBERLAND COUNCIL HIGHWAY DESIGN GUIDE.
 - DRAINAGE UNDER TRAFFICKED AREAS TO BE BACKFILLED WITH TYPE 1 GRANULAR SUB BASE TO S.H.W. CL803.
 - IN-SITU AND PRECAST CONCRETE TO BE TO GEN'S (C20). USE SLUMP CLASS S1 TO PROVIDE IMMEDIATE SUPPORT AND S3 IN OTHER SITUATIONS. CONCRETE IN CONTACT WITH THE GROUND TO WITHSTAND EXPOSURE CONDITIONS NOTED IN THE GROUND INVESTIGATION REPORT.
 - GULLY COVERS AND ANY OTHER CARRIAGEWAY AND FOOTWAY OR CYCLEWAY IRONWORK SHALL NOT BE INSTALLED UNTIL THE CARRIAGEWAY BINDER COURSE LAYER IS LAID. DURING THE CONSTRUCTION PROCESS PROTECTION SHALL BE GIVEN TO ALL GULLIES AND CHAMBERS FROM THE INGRESS OF DEBRIS.
 - THE SURFACE OF BASE AND BINDER COURSE SHALL BE SWEEPED CLEAN AND BE FREE FROM ANY STANDING WATER, DEBRIS AND ICE PRIOR TO THE APPLICATION OF A TACK COAT IN READINESS FOR SURFACING THAT SAME DAY.
 - ALL VERTICAL FACES OF KERBS, SURFACING MATS, MANHOLES, GULLIES, ETC. AGAINST WHICH ASPHALTS ARE TO BE LAID SHALL BE CLEANED AND PAINTED COMPLETELY WITH A UNIFORM COATING OF 50 OR 70 (OR EQUIVALENT) PEN GRADE HOT BITUMEN PRIOR TO LAYING.
 - A BITUMINOUS SPRAY TACK COAT SHALL BE APPLIED TO ALL ASPHALT COURSES ON WHICH LAYING IS TO TAKE PLACE, IE. BOTH WITHIN COURSES (WHERE THE COURSE IS LAID IN MORE THAN ONE LAYER) AND BETWEEN COURSES, ON EXISTING SURFACES TO BE OVERLAID AND ANY CONCRETE SURFACES. A TACK COAT MUST ALSO BE APPLIED TO ALL SCARIFIED AND PLANED SURFACES AND ANY TRAFFICKED BINDER COURSES PRIOR TO SURFACING. ONLY SUFFICIENT TACK COAT SHALL BE PUT DOWN FOR THE SAME DAYS' SURFACING WORKS AND, ONCE APPLIED, THE TACK COAT SHALL NOT BE TRAVERSED BY VEHICLES OR PLANT EXCEPT THAT ENGAGED IN THE SURFACING. THE TACK COAT SHALL BE K140 BITUMEN EMULSION TO BS 434: PART1 APPLIED AT A RATE OF 0.4 TO 0.6 LITRES PER SQUARE METRE EXCEPT BELOW THIN SURFACING SYSTEMS WHERE THE BOND COAT SPECIFIED ON THE CORRESPONDING HAPAS CERTIFICATE SHALL BE USED BETWEEN THE THIN SURFACING AND BINDER COURSE.
 - THE FOLLOWING MATERIAL SHALL NOT BE LAID ON SHALE- LIMESTONE, CRUSHED CONCRETE, RECYCLED AGGREGATE OR ASPHALT ARISINGS.
 - THE SUB-FORMATION SHALL BE TREATED WITH AN APPROVED WEEDKILLER (EG. DICHLOROBENIL) PRIOR TO THE LAYING OF UNSOUND MATERIALS.
 - PRODUCTS MADE FROM CRUSHED CONCRETE AND RECYCLED AGGREGATES SHALL BE PROCESSED IN ACCORDANCE WITH "QUALITY CONTROL - PRODUCTION OF RECYCLED AGGREGATES" PUBLISHED BY CONSTRUCTION RESEARCH COMMUNICATIONS. ADEQUATE TESTING REGIMES SHALL BE IN PLACE TO MONITOR THE QUALITY OF THE MATERIAL BEING PRODUCED. PROOF OF COMPLIANCE WITH THESE REQUIREMENTS SHALL BE BY CERTIFICATION FROM A RECOGNISED THIRD PARTY ASSESSOR.
 - THE STREET LIGHTING SCHEME ALONG WITH THE ENTIRE ESTATE ROAD NETWORK WILL REMAIN PRIVATE AND WILL BE MAINTAINED BY THE MANAGEMENT COMPANY.

P3	PROPOSED SITE PLAN UPDATED TO ACCORD WITH ALPHA DESIGN SITE PLAN RECEIVED 27/03/25. ENGINEERING LAYOUT AMENDED TO SUIT.	JH	JM	01/05/25
P2	SITE LAYOUT UPDATED, EASTERN BASIN RE-SIZED AND WETLAND AREA INCLUDED.	JM	MH	21/03/25
P1	FIRST ISSUE	JH	JM	17/01/25
REV	AMENDMENT	BY	CKD	DATE

CLIENT
JOHN SWIFT HOMES LTD.

PROJECT
**SUMMERGROVE
WHITEHAVEN**

DRAWING TITLE
**ENGINEERING LAYOUT
SHEET 1**



Beckwith & Hanlon
Consulting Engineers Limited
F22 Willow Court, Marquis Court,
Team Valley Trading Estate,
Gateshead, NE11 0RU
tel: 0191 273 7582

SCALE	1:500	BY	JH	CHECKED	JM	DATE	DEC. '24
-------	-------	----	----	---------	----	------	----------

DRAWING NO.
23-034-201

STATUS	PRELIMINARY	REV	P3
		SIZE	A1